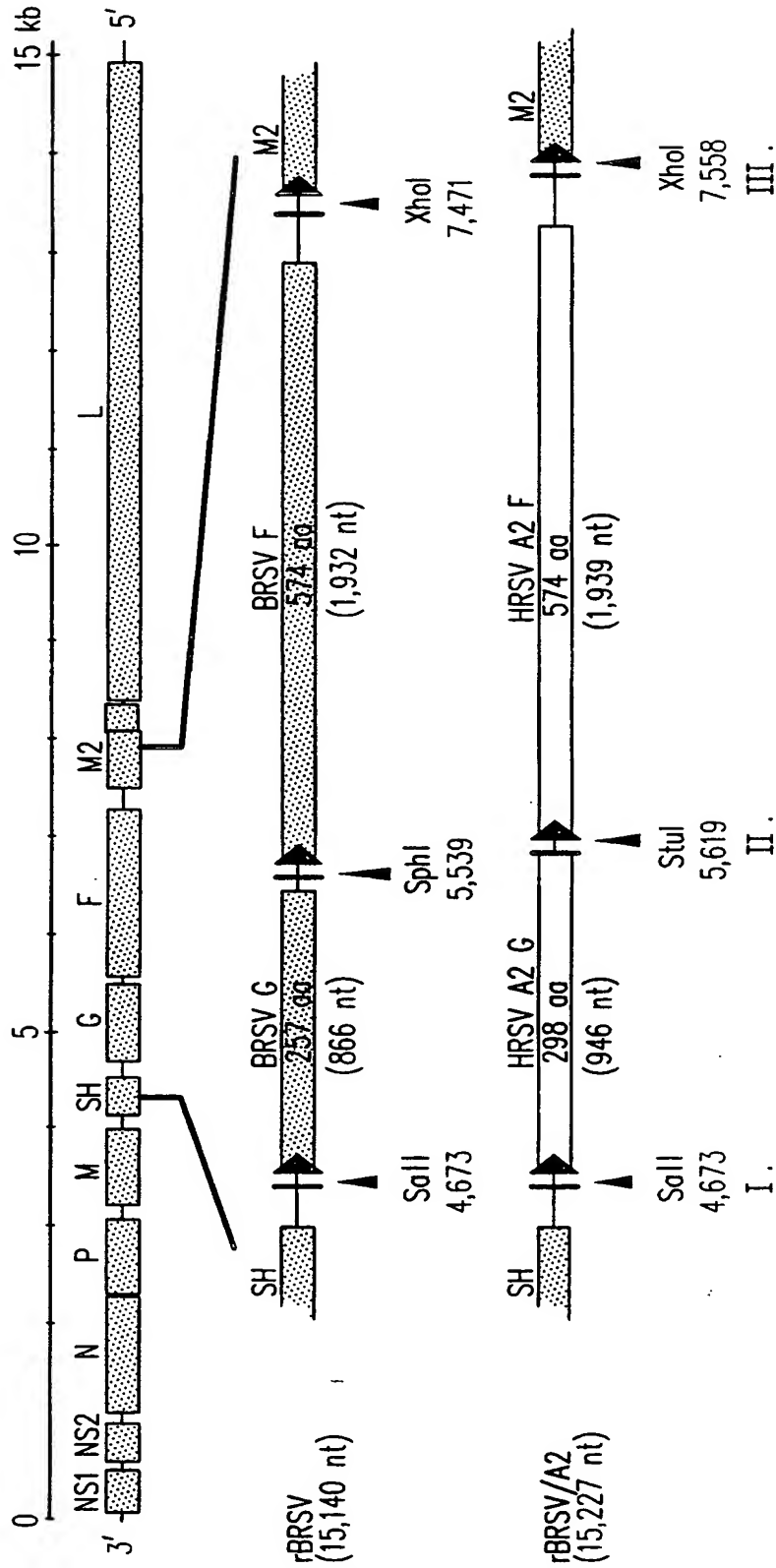


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FIG. 1A



# FIG. 1B

## I. SH/G intergenic region

5' 3' 4719  
 ATue51908 4640 AGTTATTAAAAA TAAACTTAAAAATGGTTTATGGTTACATACAGATG.....TTGGGGCAAAATACAAGTATGTCCAACCATACC 4719  
 rBRSV 4640 AGTTATTAAAAA TAAACTTAAAAATGGTTTATGTCGACATACAGATG.....TTGGGGCAAAATACAAGTATGTCCAACCATACC 4719  
 rBRSV/A2 4640 AGTTATTAAAAA TAAACTTAAAAATGGTTTATGTCGACATACAGATG.....TTGGGGCAAAATGCAAAACATGTCCAACCAAG 4709  
 HRSV A2 4616 AGTTAAATAAAAA TAGTCATAACAAATGAAGTATCAAGACTAACAATAACATTGGGGCAAAATGCAAAACATGTCCAACCAAG 4702  
 SH gene end signal G orf

## II. G/F intergenic region

5' 3' 5578 2/18  
 ATue51908 5517 AGTTATTAAAAAAGATAT.....GTATAATTCACATAATAAACTGGGGCAAAATAAGGATGGCGACA 5578  
 rBRSV 5517 AGTTATTAAAAAAGATAT.....GCAATGGTTACATAATAAACTGGGGCAAAATAAGGATGGCGACA 5578  
 rBRSV/A2 5590 AGTTACTTAAAAACATATTATCACAAATGACCAACTTAAACAGAAATCAAAATAAATTAACATGGAGTTG 5676  
 HRSV A2 5583 AGTTACTTAAAAACATATTATCACAAATGACCAACTTAAACAGAAATCAAAATAAATTAACATGGAGTTG 5669  
 G gene end signal F gene start signal F orf

## III. F/M2 intergenic region

5' 3' 7522  
 ATue51908 7436 CCATGTTGATAGTTATATAAAAAA TATTATATTAGTCTCAAAGAAATAAAATTTTAAACACCAATCATTCAAAAAGATGGGGCAAAAT 7522  
 rBRSV 7436 CCATGTTGATAGTTATATAAAAAA TATTATATTAGTCTCGGAGCAATAAAATCGCAATTAACAACCAATCATTCAAAAAGATGGGGCAAAAT 7609  
 rBRSV/A2 7535 CCTAGTTTATAGTTATATAAAAAA.....CTCGGAGCAATAAAATCGCAATTAACAACCAATCATTCAAAAAGATGGGGCAAAAT 7605  
 HRSV A2 7529 CCTAGTTTATAGTTATATAAAAAA.....CACAAATTGAATGCCAGATTAACTTACCATCTGTAAAAATGAAAC.TGGGGCAAAAT 7605  
 F noncod. F gene end signal M2 gene start signal

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FIG. 2A

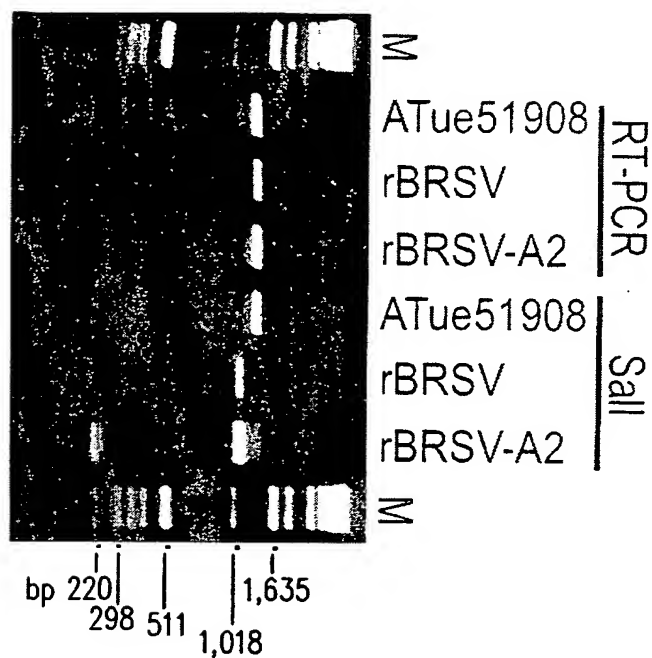
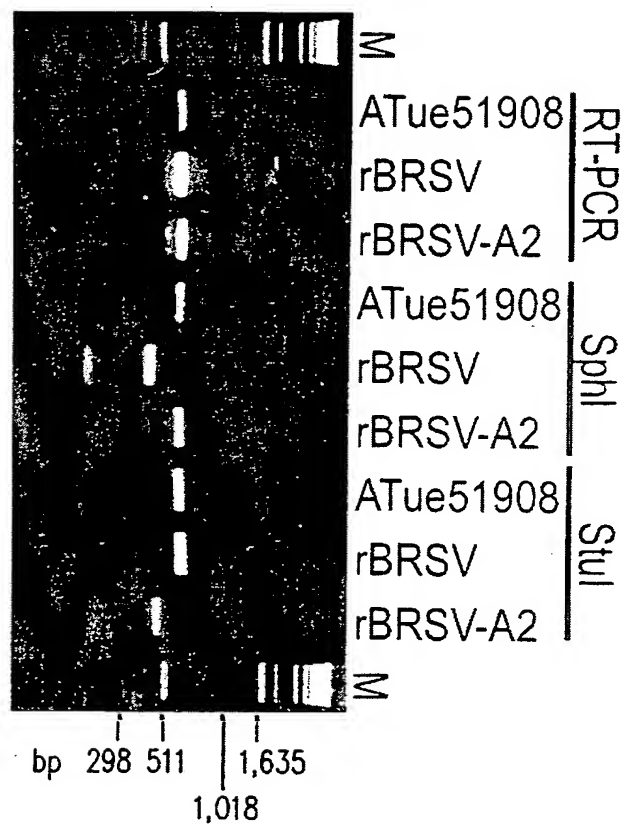
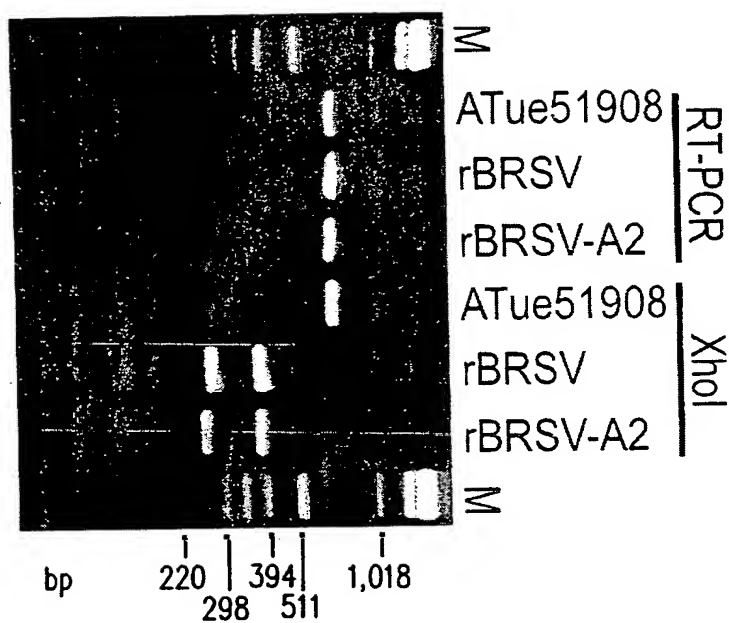


FIG. 2B



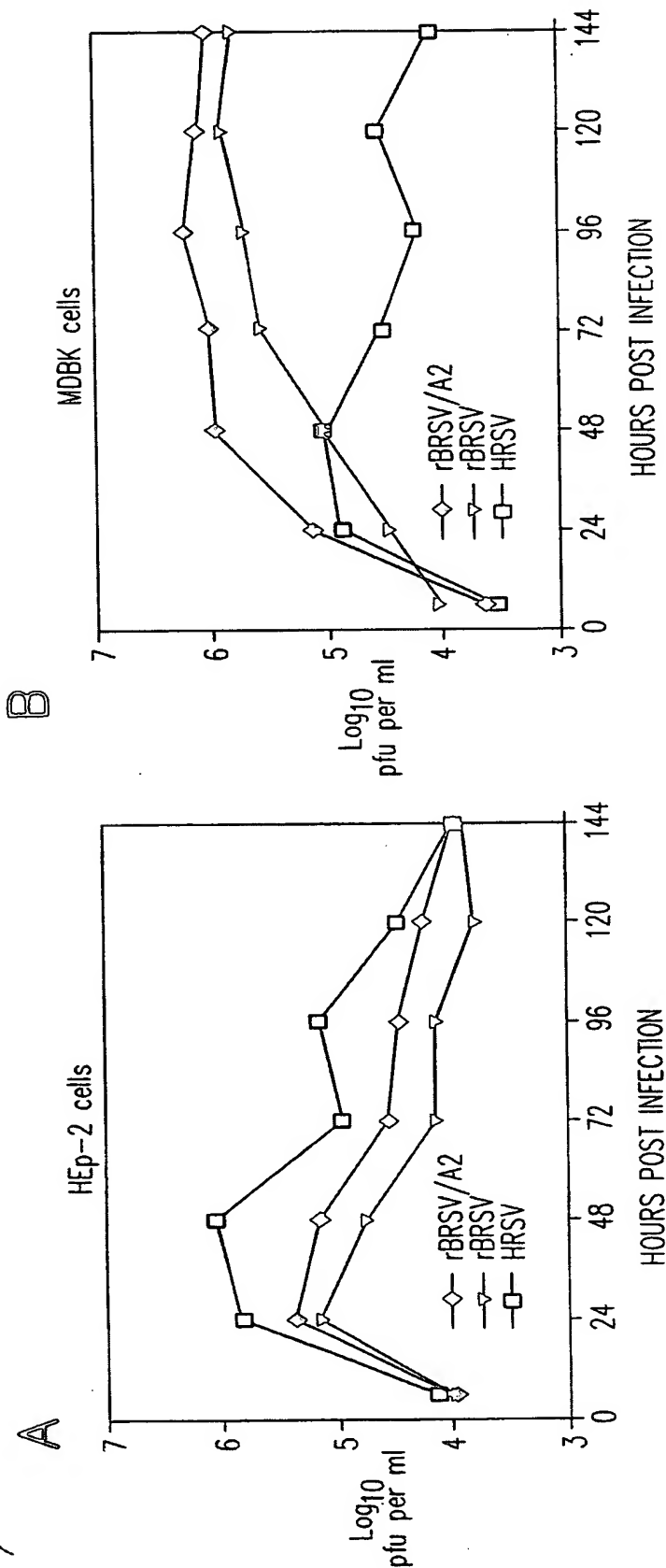
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FIG. 2C



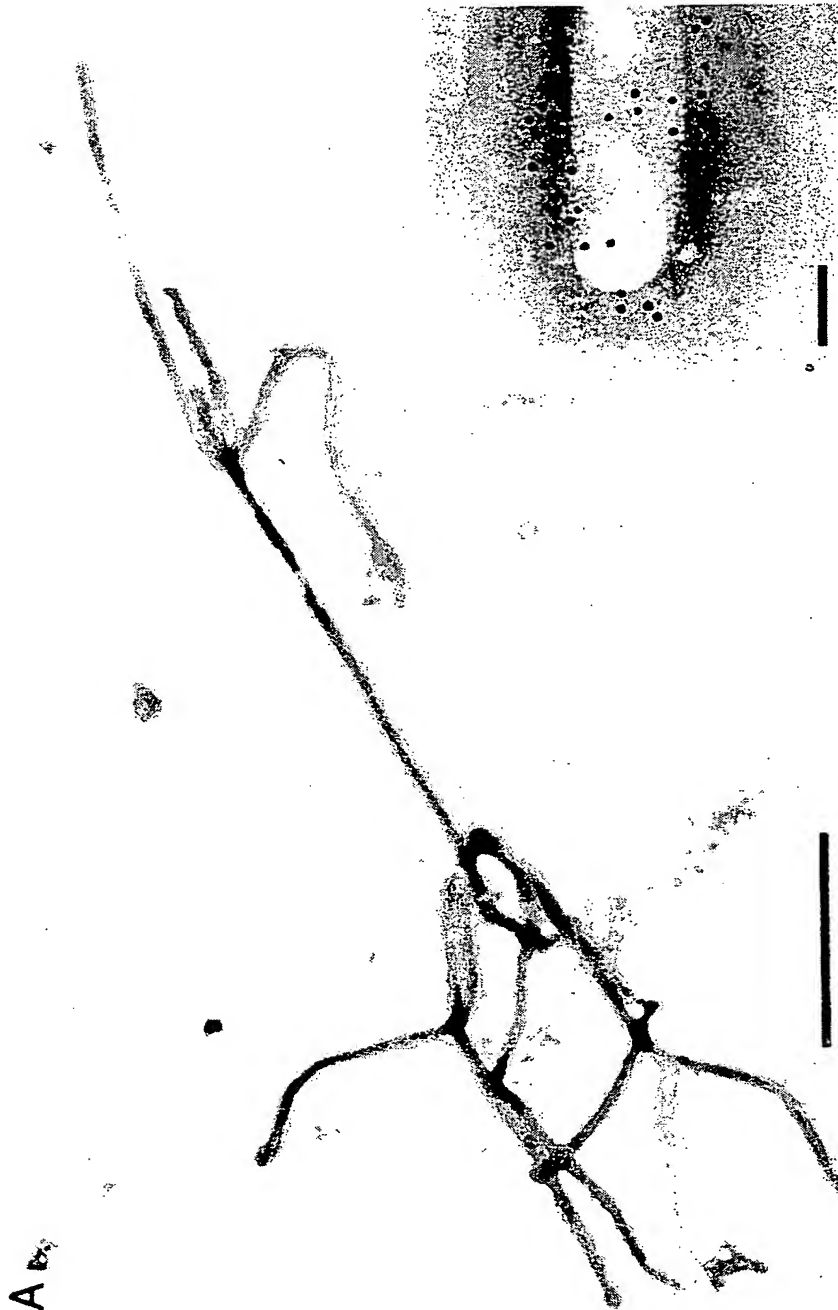
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FIG. 3



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FIG. 4A



A B<sub>2</sub>

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FIG. 4B



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FIG. 5A

A

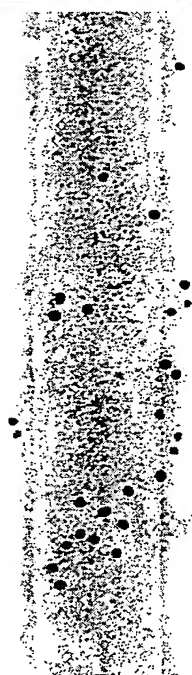


FIG. 5B

B



FIG. 5C

C

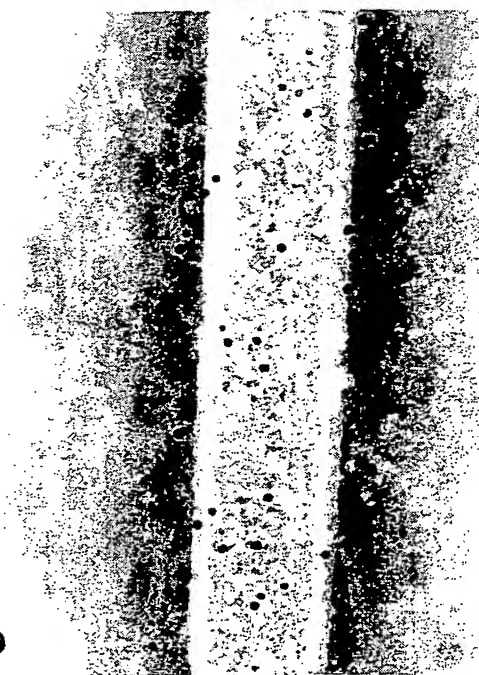


FIG. 5D

D





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FIG. 5F

F

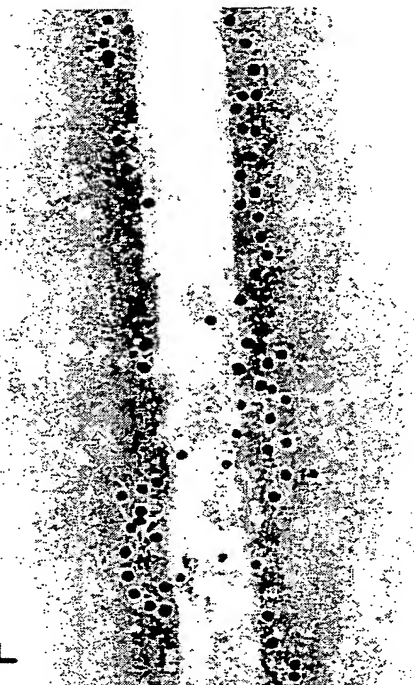


FIG. 6B

B

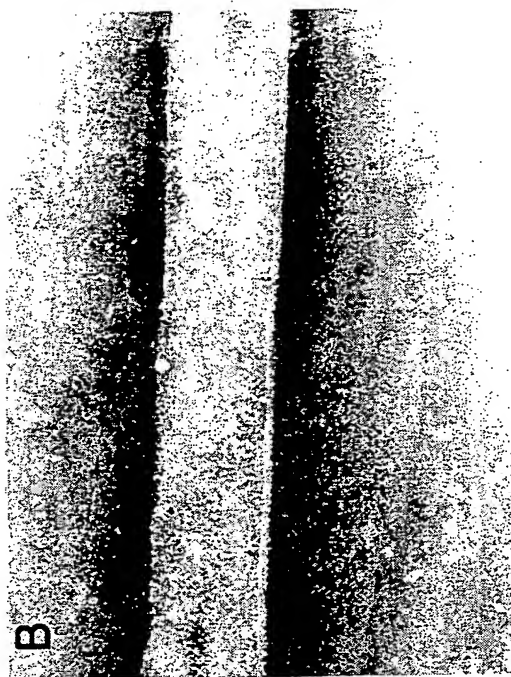


FIG. 5E

E

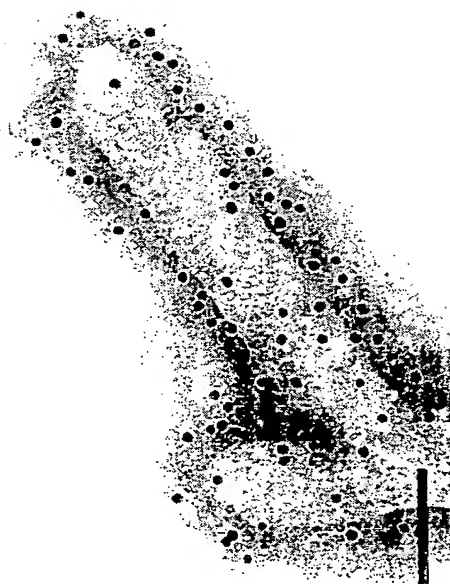
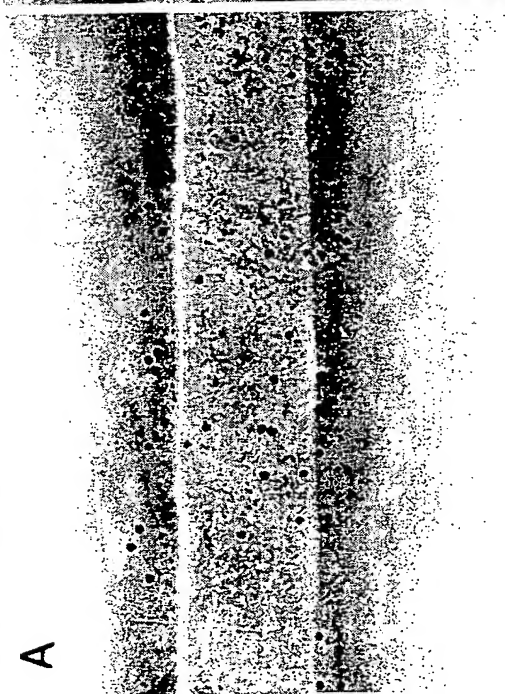


FIG. 6A

A



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FIG. 6D

D



FIG. 6F

F



FIG. 6C

C

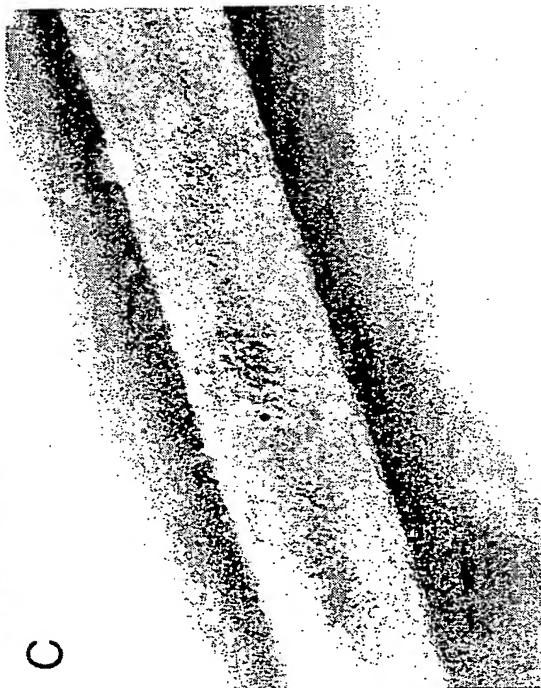


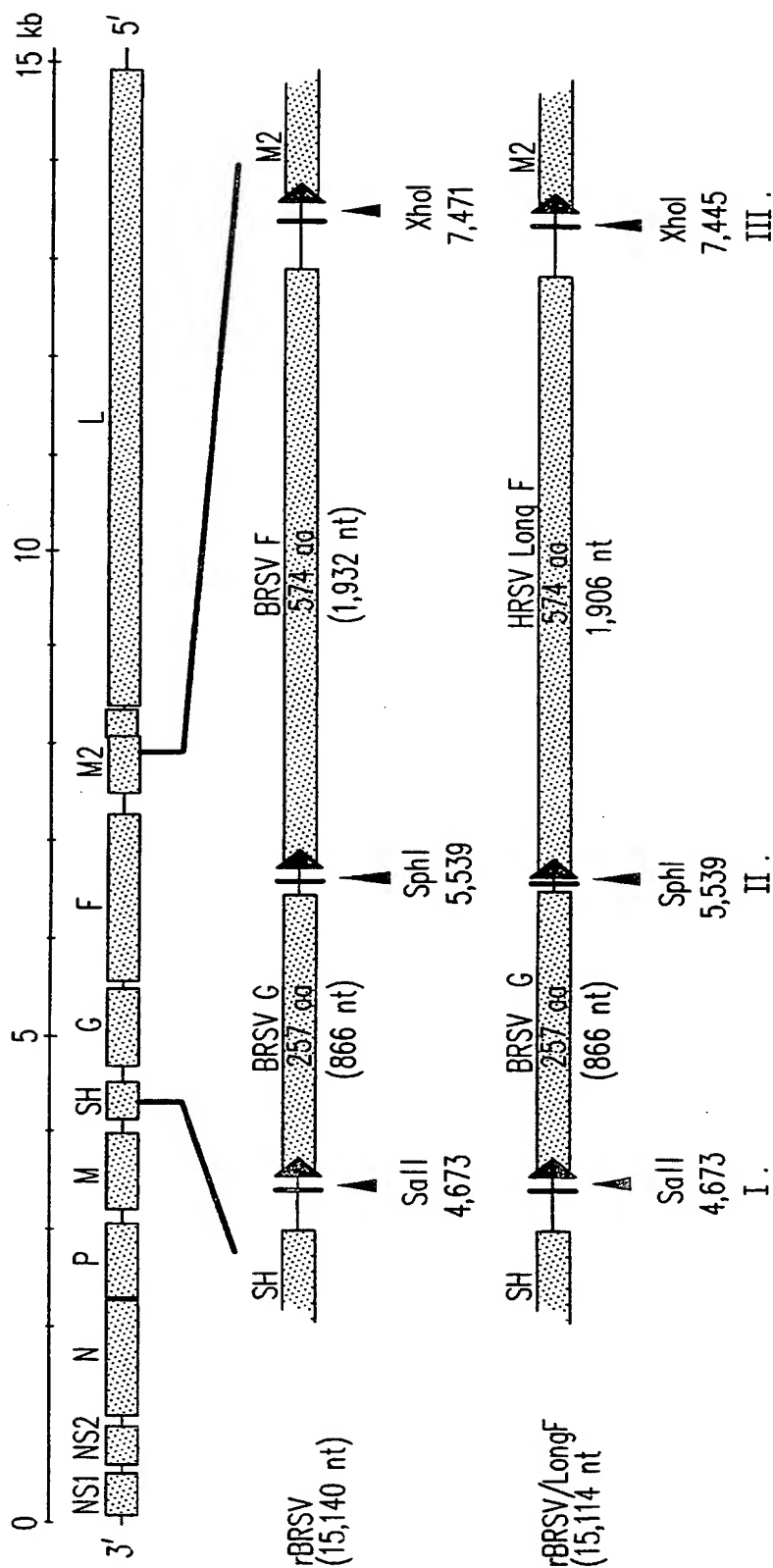
FIG. 6E

E



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FIG. 7A



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## FIG. 7B

## I. SH/G intergenic region

5' 3'

ATue51908 4640 AGTTATTTAAAAATTTAACTTAAAAATGGTTTATGGTTACATACAGATGTTGGGGCAAAATACAAGTATGTCCAACCATACC 4719

rBRSV 4640 AGTTATTTAAAAATTTAACTTAAAAATGGTTTATGTCCAGATACAGATGTTGGGGCAAAATACAAGTATGTCCAACCATACC 4719

rBRSV /LongF 4640 AGTTATTTAAAAATTTAACTTAAAAATGGTTTATGTCCAGATACAGATGTTGGGGCAAAATACAAGTATGTCCAACCATACC 4719

SH gene end signal

G gene start signal

G orf

## II. G/F intergenic region

5' 3'

ATue51908 5517 AGTTATTTAAAAAGCATATGTATTAATTCACCTAATTAACCTGGGGCAAAATAGGGATGGCGACA 5578

rBRSV 5517 AGTTATTTAAAAAGCATATGCCATGGTTTCACTAATTAACCTGGGGCAAAATAGGGATGGCGACA 5578

rBRSV /LongF 5517 AGTTATTTAAAAAGCATATGCCATGGTTTCACTAATTAACCTGGGGCAAAATAGGGATGGCGACA 5562

G gene end signal

F gene start signal

F orf

## III. F/M2 intergenic region

5' 3'

ATue51908 7436 CCATGTTGATAGTTATATAAAAAATATTATATTAGTCTCAAGCAATAAAATTATTAAACAACCAATCATTCAAAAAGATGGGGCAAAAT 7522

rBRSV 7436 CCATGTTGATAGTTATATAAAAAATATTATATTAGTCTCGAGCAATAAAATCGAATAACAACCAATCATTCAAAAAGATGGGGCAAAAT 7522

rBRSV /LongF 7422 CCTAGTTTATAGTTATATAAAAAATATTATATTAGTCTCGAGCAATAAAATCGAATAACAACCAATCATTCAAAAAGATGGGGCAAAAT 7496

F noncod.

F gene end signal

Xba I

Gla I

M2 gene start signal

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FIG. 8

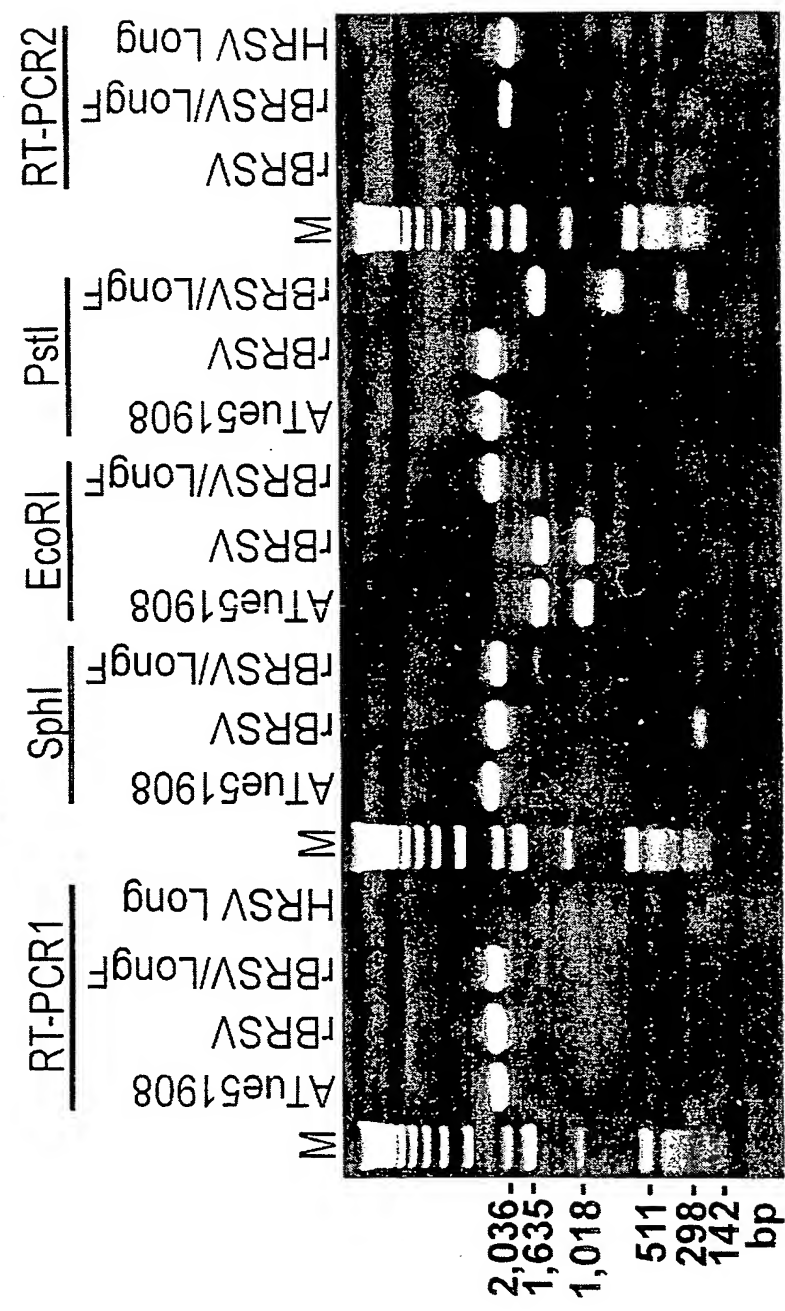
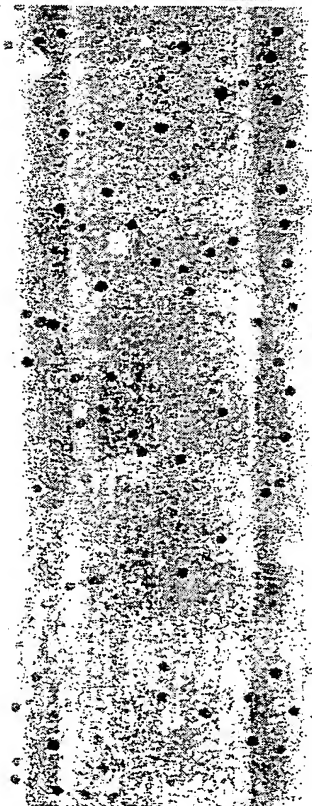
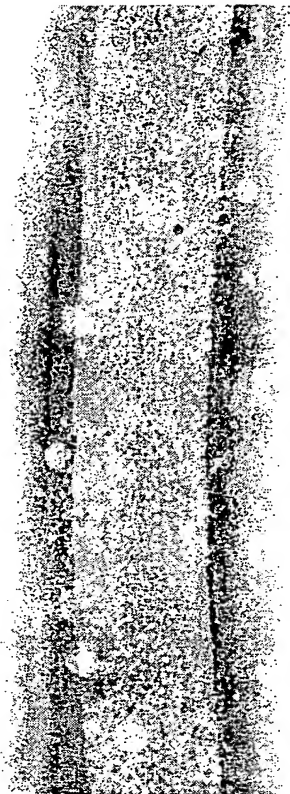


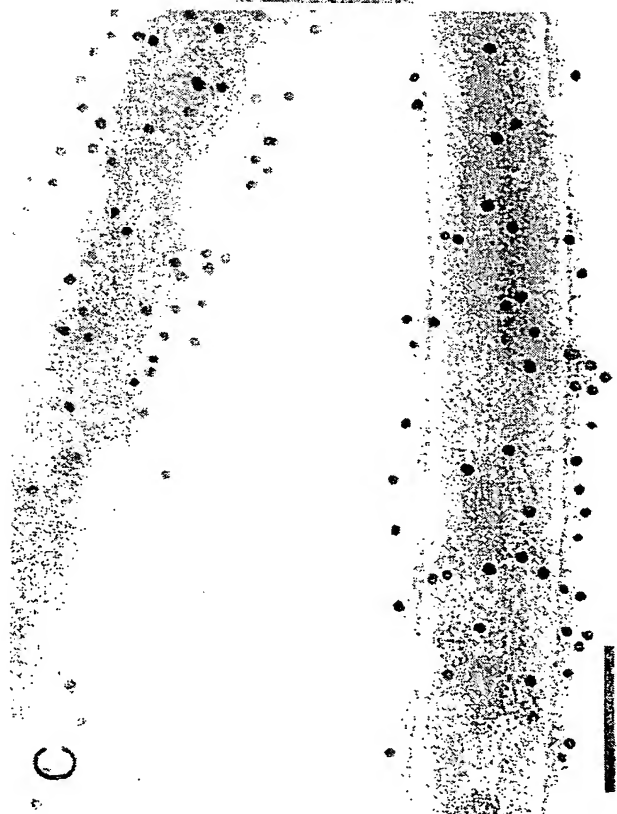
FIG. 9  
A



B



C



D

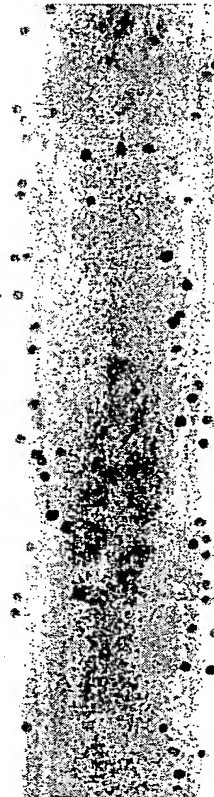
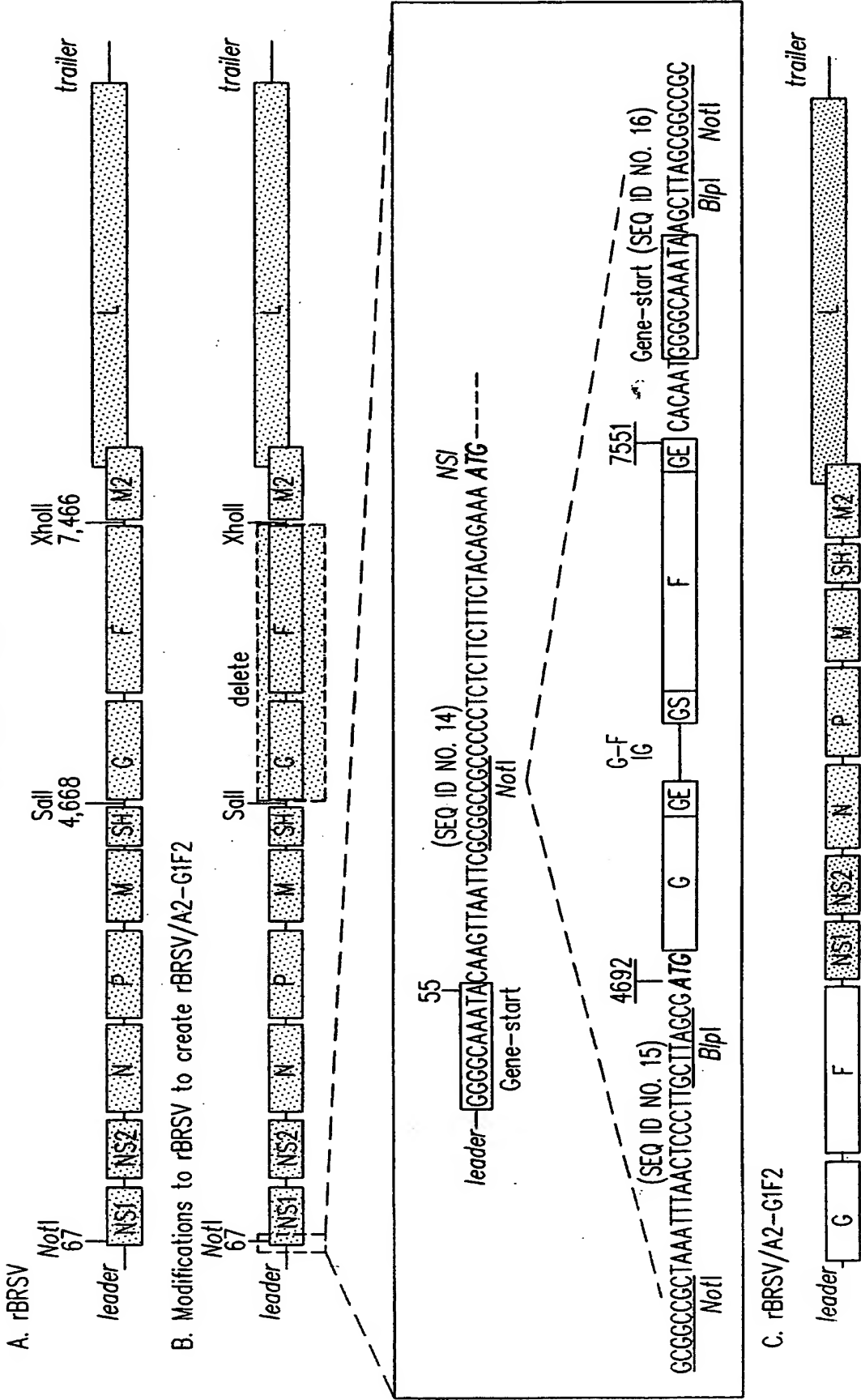


FIG. 10



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FIG. 11

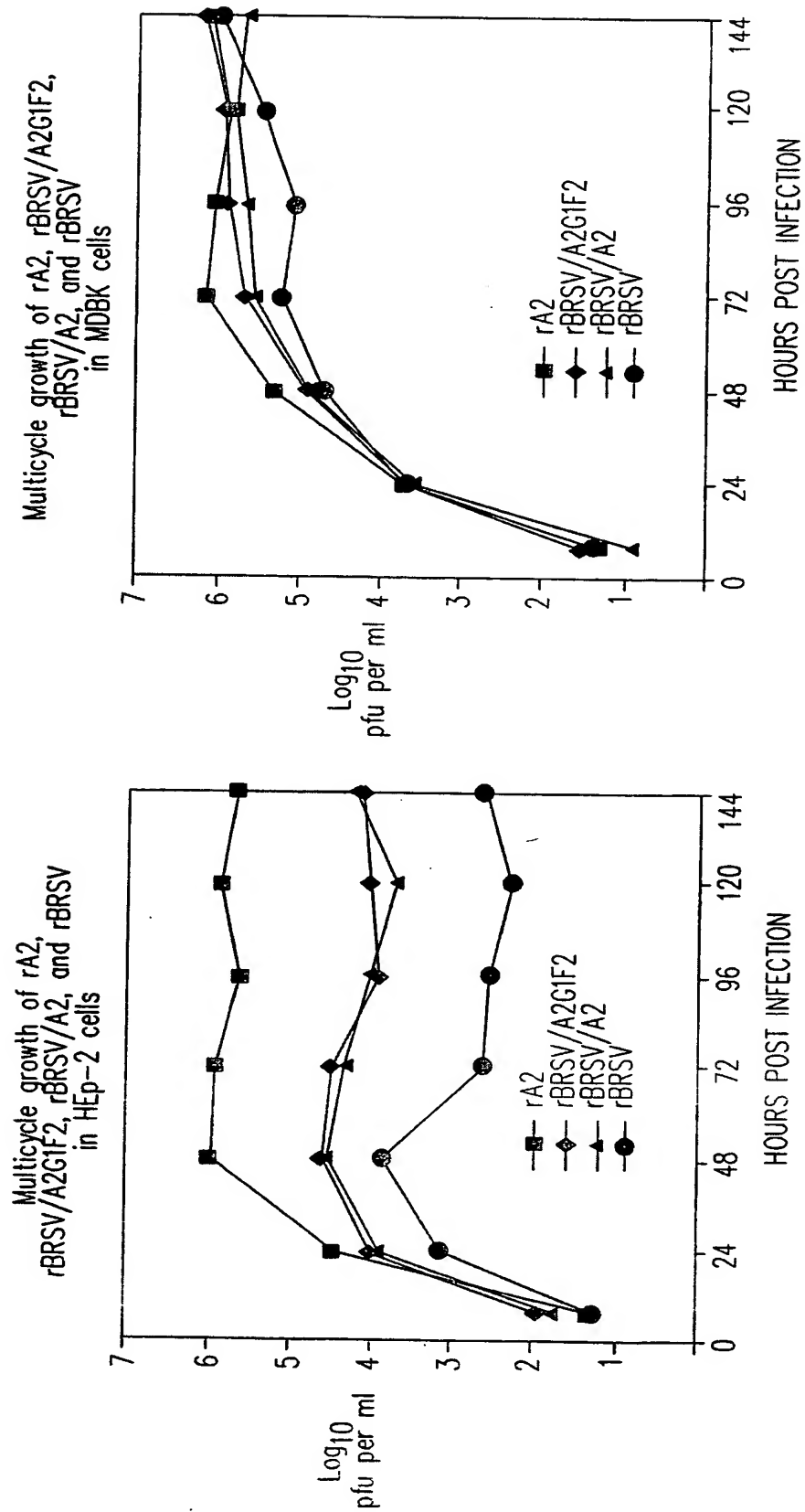




FIG. 12

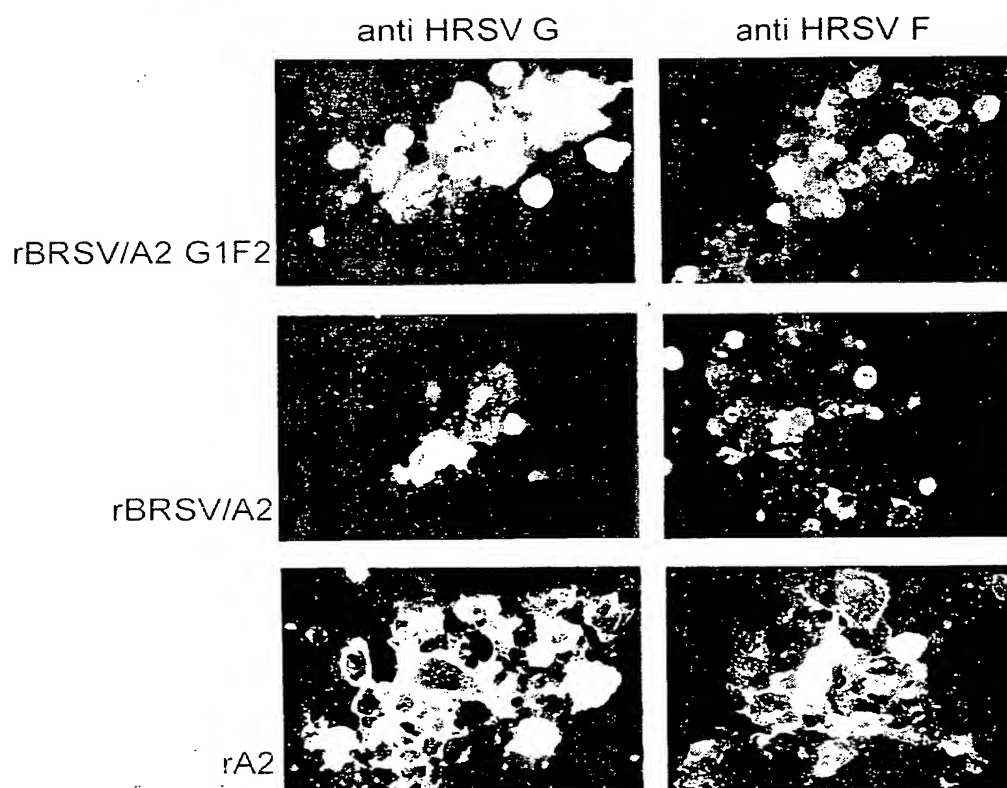


FIG. 13

